

Hydrophobic Ionic Liquids

Ionic liquids, novel, salt-like materials with melting points below 100 °C, have gained much attention in recent years. This fascinating class of materials offers many benefits, including:

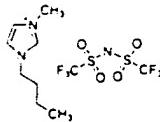
- Negligible vapor pressure
- Tuneable solvent properties
- Nonflammability
- High ionic conductivity
- High thermal stability

Sigma-Aldrich offers, in collaboration with Covalent Associates, Inc., a set of extremely hydrophobic and thermally and hydrolytically stable ionic liquids.

1-Butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide, purum, ≥98% (NMR)

[174899-83-3]

C₁₁H₁₈F₃N₂O₂S₂
FW 419.35



77896-1G-F
77896-5G-F

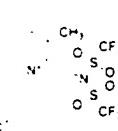
1 g
5 g

\$79.70
347.50

1-Butyl-3-methylpyridinium bis(trifluoromethylsulfonyl)imide, purum, ≥97% (NMR)

[344790-86-9]

C₁₁H₁₈F₃N₂O₂S₂
FW 430.39



14654-1G-F
14654-5G-F

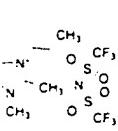
1 g
5 g

\$100.50
402.50

1,2-Dimethyl-3-propylimidazolium bis(trifluoromethylsulfonyl)imide, purum, ≥97% (NMR)

[169051-76-7]

C₁₁H₂₀F₃N₂O₂S₂
FW 419.36



50807-1G-F
50807-5G-F

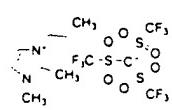
1 g
5 g

\$154.50
618.00

1,2-Dimethyl-3-propylimidazolium tris(trifluoromethylsulfonyl)methide, purum, ≥97% (NMR)

[169051-77-8]

C₁₁H₂₀F₃N₂O₂S₃
FW 550.44



74305-1G-F
74305-2.5G-F

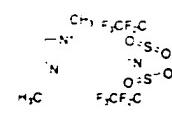
1 g
2.5 g

\$187.00
402.50

1-Ethyl-3-methylimidazolium bis(pentafluoroethylsulfonyl)imide, purum, ≥97% (NMR)

[216299-76-2]

C₉H₁₆F₆N₂O₂S₂
FW 491.33



39056-1G-F
39056-5G-F

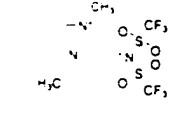
1 g
5 g

\$211.00
843.00

1-Ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide, purum, ≥97% (HPLC)

[174899-82-2]

C₉H₁₆F₃N₂O₂S₂
FW 391.31



11291-1G-F
11291-5G-F

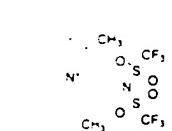
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5 g

\$148.60
605.20

3-Methyl-1-propylpyridinium bis(trifluoromethylsulfonyl)imide, purum

[817575-06-7]

C₁₁H₂₀F₃N₂O₂S₂
FW 416.36



30565-1G-F
30565-5G-F

1 g
5 g

\$100.50
402.50

References

- (1) Koch, V. R. et al. *J. Electrochem. Soc.* **1995**, *142*, L116.
- (2) McEwen, A. B. et al. *J. Electrochem. Soc.* **1999**, *146*, 1687.
- (3) Ngo, H. L. et al. *Thermochim. Acta* **2000**, *357*–358, 97.

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